

Product Datasheet

Integrin beta 1/CD29 Antibody

NBP2-16974

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP2-16974**Integrin beta 1/CD29 Antibody****Product Information**

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol
Target Molecular Weight	88 kDa

Product Description

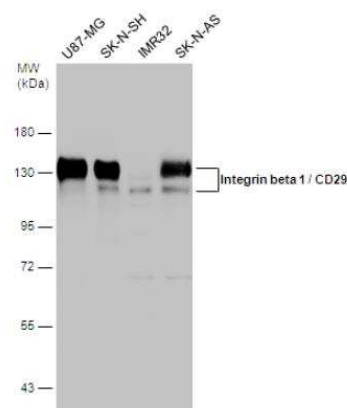
Host	Rabbit
Gene ID	3688
Gene Symbol	ITGB1
Species	Human, Mouse, Canine
Reactivity Notes	Xenopus laevis (91%), Cat (98%).
Marker	Stem Cell Marker
Immunogen	Recombinant protein encompassing a sequence within the center region of human Integrin beta 1/CD29. The exact sequence is proprietary.

Product Application Details

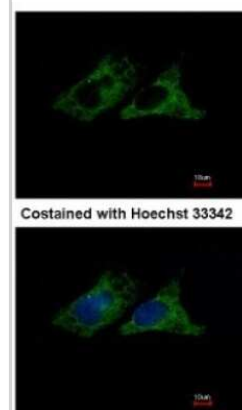
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:1000-1:10000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Chromatin Immunoprecipitation (ChIP) Reported in scientific literature (PMID:33867854)

Images

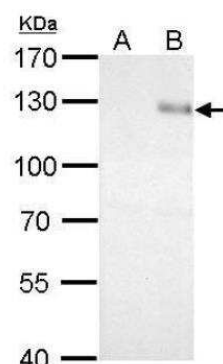
Western Blot: Integrin beta 1/CD29 Antibody [NBP2-16974] - Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Integrin beta 1 / CD29 antibody diluted at 1:4000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



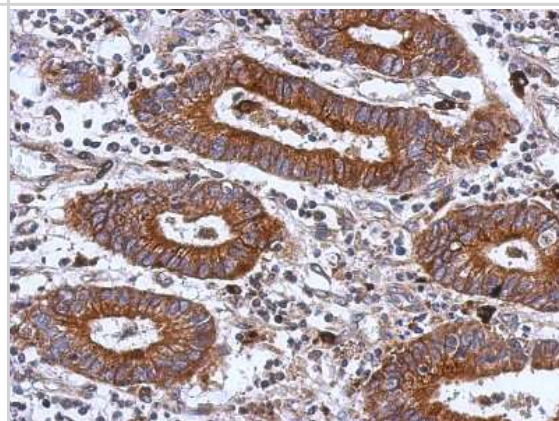
Immunocytochemistry/Immunofluorescence: Integrin beta 1/CD29 Antibody [NBP2-16974] - Analysis of methanol-fixed HeLa, using antibody at 1:500 dilution.



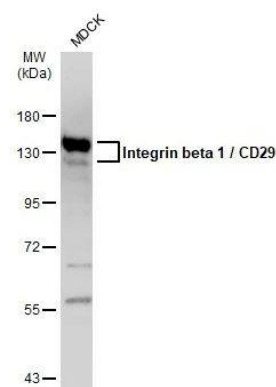
Western Blot: Integrin beta 1/CD29 Antibody [NBP2-16974] - A. 30 ug 293T whole cell lysate/extract B. 30 ug whole cell lysate/extract of human Integrin beta 1 / CD29-transfected 293T cells 7.5 % SDS-PAGE Integrin beta 1 / CD29 antibody dilution: 1:5000



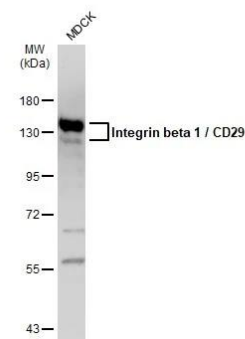
Immunohistochemistry-Paraffin: Integrin beta 1/CD29 Antibody [NBP2-16974] - Human colon carcinoma, using Integrin beta 1 / CD29 antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min of paraffin-embedded Colon ca, using antibody at 1:500 dilution.



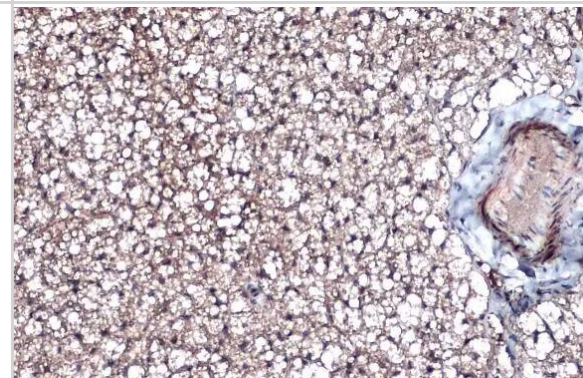
Western Blot: Integrin beta 1/CD29 Antibody [NBP2-16974] -Whole cell extract (30 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with Integrin beta 1 / CD29 antibody diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody ((NBP2-19301) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



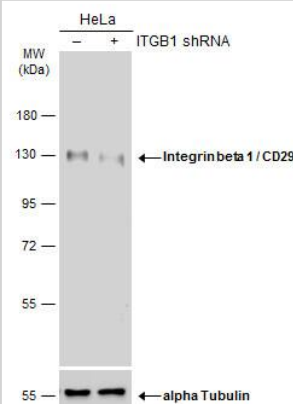
Western Blot: Integrin beta 1/CD29 Antibody [NBP2-16974] - Whole cell extract (30 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with Integrin beta 1/CD29 antibody (NBP2-16974) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



Immunohistochemistry-Paraffin: Integrin beta 1/CD29 Antibody [NBP2-16974] - Integrin beta 1/CD29 antibody detects Integrin beta 1/CD29 protein at cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded mouse brown adipocyte. Integrin beta 1/CD29 stained by Integrin beta 1/CD29 antibody (NBP2-16974) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Western Blot: Integrin beta 1/CD29 Antibody [NBP2-16974] - Non-transfected (–) and transfected (+) HeLa whole cell extracts (15 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Integrin beta 1 / CD29 antibody diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Publications

Żaneta Dzięgielewska-Sokołowska, Alicja Majewska, Iwona Szopa, Małgorzata Gajewska, Andrea Frontini Chemerin Stimulates the Secretory Activity of BME-UV1 Bovine Mammary Epithelial Cells International Journal of Molecular Sciences 2024-04-09 [PMID: 38673732]

Krajnak S, Jakel J, Anic K Et al. Role of integrins in the metastatic spread of high-grade serous ovarian cancer Archives of gynecology and obstetrics 2021-10-24 [PMID: 34689222]

Bousalis D, Lacko CS, Hlavac N et al. Extracellular Matrix Disparities in an Nkx2-5 Mutant Mouse Model of Congenital Heart Disease Frontiers in Cardiovascular Medicine 2020-05-29 [PMID: 32548129] (Simple Western)

Wu L, Xu Y, Xi K et al. Regulation of macrophage subtype via injectable micro/nano-structured porous microsphere for reprogramming osteoimmune microenvironment Chemical Engineering Journal 2022-07-01 (ICC/IF, Rat)

Hlavac N, Seroski DT, Agrawal NK et al. Chondroitinase ABC/galectin-3 fusion proteins with hyaluronan-based hydrogels stabilize enzyme and provide targeted enzyme activity for neural applications Journal of neural engineering 2021-06-22 [PMID: 34082409]

Zhang W, Wang H, Yuan Z et al. Moderate mechanical stimulation rescues degenerative annulus fibrosus by suppressing caveolin-1 mediated pro-inflammatory signaling pathway International journal of biological sciences 2021-04-03 [PMID: 33867854] (IF/IHC, Chemotaxis, Rat)

Ngo TB, Spearman BS, Hlavac N, Schmidt CE Three-Dimensional Bioprinted Hyaluronic Acid Hydrogel Test Beds for Assessing Neural Cell Responses to Competitive Growth Stimuli ACS biomaterials science & engineering 2020-12-14 [PMID: 33320621]





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Products Related to NBP2-16974

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-59570-50ug	Recombinant Human Integrin beta 1/CD29 His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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